



Deputy Under Secretary of Defense

Advanced Systems & Concepts

SUCCESS STORY

TTI and ACTD Programs Help Unmanned Vessel Go to Sea Ahead of Schedule

AS&C's Technology Transition Initiative (TTI) and Advanced Concept Technology Demonstration (ACTD) programs recently helped the Navy deploy an Unmanned Sea Surface Vehicle (USSV) two years ahead of schedule.



This ship ...



gets this remote controlled, unmanned boat

The Navy's new Littoral Combat Ship (LCS), the USS Freedom, was scheduled to get a remote-controlled USSV in 2009. These USSVs will be force multipliers for LCS, doing missions too dangerous or otherwise unsuited for manned craft, such as countermine, anti-submarine warfare, and more. The USSV incorporates technologies and lessons learned from a successful FY2002 SPARTAN Scout ACTD. The SPARTAN ACTD completed in FY2006 and in the same year, transitioned its Unmanned Surface Vehicle 'Core Operating System' to the U.S. Navy.

A USSV configured for countermine warfare was recently delivered two years early to the USS Freedom. Its development was accelerated by the TTI program, which helped the USSV achieve its final maturity level ahead of time. The program's funds were used to integrate countermine systems into the USSV, test it at sea, and deliver it to the USS Freedom.

For more information on the TTI and JCTD programs, visit www.acq.osd.mil/ott/tti/ and www.acq.osd.mil/jctd/.